

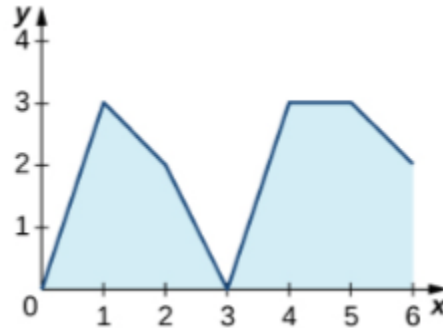
Math 112
LQuiz 15

2022-03-31 (R)

Your name: _____

Exercise

(4 pt) Let $f : [0, 6] \rightarrow \mathbf{R}$ be a piecewise constant function. A graph of $y = \int_0^x f(t) \, dt$ is shown below.



(a) (2 pt) Over which intervals is f positive? negative? equal to zero?

(b) (1 pt) What are the maximum and minimum values of f ?

(c) (1 pt) What is the average value of f on the interval $[0, 6]$?